

International Conference on Sensing, Computing and Automation

May 8-11, 2006, Chongqing, China



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The International Conference on Sensing, Computing and Automation (ICSCA2006) will take place in Chongqing, China from May 8 to May 11, 2006. ICSCA2006 will focus on recent advances in sensing, computing, and automation. It will provide a remarkable opportunity for the academic and industrial community to address new challenges and share solutions, and discuss future research directions.

Topics: The topics of interest include, but are not limited to the following:

- Sensor design, integration and fusion
- Sensor networks
- Sensors based control and automation
- Vision and image processing
- Sensing and perception
- Sensor data analysis and system diagnosis
- Neural networks, fuzzy systems and soft computing
- Environment modeling and monitoring
- Multi-agent systems and applications
- Intelligent algorithms and applications
- Computer network and internet modeling
- Traffic modeling and congestion control
- Intelligent communication systems
- Computational dynamical systems
- Parallel, distributed computing
- System modeling, identification and simulation
- Tracking, telemetering and command
- Intelligent and biological control systems
- System control and optimal control
- Feedback and decentralized control
- Collaborative control systems
- Power system analysis and control
- Adaptive and learning control
- Process control and industrial automation
- Robotics and intelligent vehicles
- Intelligent mechatronics
- Telerobotics, haptics, and teleoperated systems
- Biomimetics and bio-inspired systems

Paper Submission: Contributed papers are invited. Full-length papers in standard IEEE format must be submitted in PDF format through the conference web site at <http://www.icsca2006.org> or <http://ist.cqu.edu.cn/icsca2006>.

Important Dates:

- December 15, 2005** Submission of papers, special sessions, tutorials
- February 15, 2006** Notification of acceptance
- March 15, 2006** Final manuscript submission

Special Sessions: There will be many special sessions and tutorials on specific topics. Special sessions and tutorials are invited. Please send your proposal to the General Chairs, Prof. Weiren Shi (wrs@cqu.edu.cn) or Prof. Simon X. Yang (syang@uoguelph.ca).

Proceedings: All the accepted papers will be published as a complementary issue of the journal, *Dynamics of Continuous, Discrete and Impulsive Systems, Series B*, and will be in the SCI index.

Website: <http://www.icsca2006.org>
<http://ist.cqu.edu.cn/icsca2006>

Secretariat: icsca@cqu.edu.cn

Sponsors and Organizers: Chongqing University, Southwest China University, Chongqing Institute of Technology, Chongqing University of Posts and Telecommunication, Chongqing Jiaotong University, Chongqing Communication College, Chongqing Education College



Technical Co-Sponsors: DCDIS (Dynamics of Continuous, Discrete and Impulse Systems) journal, IEEE Control Systems Society, IEEE Robotics and Automation Society, IEEE Systems, Man, and Cybernetics Society



ICSCA'2006